

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	843	"375"/\$.ccls. and (((most or least) near4 bit) or right\$1most or left \$1most or msb or lsb) same gain	US-PGPUB; USPAT	OR	ON	2009/03/09 12:06
L2	4334218	@ad<="20030623"	US-PGPUB; USPAT	OR	ON	2009/03/09 12:07
L3	604	I1 and I2	US-PGPUB; USPAT	OR	ON	2009/03/09 12:07
L4	350	I3 and magnitude	US-PGPUB; USPAT	OR	ON	2009/03/09 12:09
L5	77	(adjust\$3 or increase or decrease) near4 gain same (((most or least) near4 bit) or right\$1most or left \$1most or msb or lsb) and "375"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2009/03/09 12:54
L6	58	I5 and I2	US-PGPUB; USPAT	OR	ON	2009/03/09 12:55
L7	6	I6 and second near4 threshold	US-PGPUB; USPAT	OR	ON	2009/03/09 12:55
L8	218	(digital or bit or byte) near4 (agc or (gain near4 control\$3)).ti.	US-PGPUB; USPAT	OR	ON	2009/03/09 13:01
L9	140	I8 and I2	US-PGPUB; USPAT	OR	ON	2009/03/09 13:02
L10	47	(((most or least) near4 bit) or right \$1most or left\$1most or msb or lsb) and I9	US-PGPUB; USPAT	OR	ON	2009/03/09 13:04
L11	488	(((most or least) near4 bit) or right \$1most or left\$1most or msb or lsb) near4 (saturat\$3 or clip\$4)	US-PGPUB; USPAT	OR	ON	2009/03/09 13:12
L12	326	I11 and I2	US-PGPUB; USPAT	OR	ON	2009/03/09 13:13
L13	91	I12 and gain	US-PGPUB; USPAT	OR	ON	2009/03/09 13:13
L14	3	I12 and (gain or agc).ti.	US-PGPUB; USPAT	OR	ON	2009/03/09 13:18
S2	337	375/345.ccls. and bit	USPAT	OR	ON	2006/12/05 21:32
S3	73	375/345.ccls. and (MSB or most adj significant)	USPAT	OR	ON	2005/10/03 16:38
S4	67	S3 and (adjustable or variable or multiple or dynamic)	USPAT	OR	ON	2005/10/03 17:32
S5	2	(375/345.ccls. or 455/232.1 or 455/234.1) and (MSB or most adj significant) and (adc or analog adj digital) with gain with magnitude	US-PGPUB; USPAT	OR	ON	2007/04/11 14:33

S6	5	(375/345.ccls. or 455/232.1 or 455/234.1) and (MSB or most adj significant) and (adc or analog adj digital or "a/d") near saturat\$3	US-PGPUB; USPAT	OR	ON	2005/10/03 17:39
S7	1	(375/345.ccls. or 455/232.1 or 455/234.1) and (MSB or most adj significant) and (adc or analog adj digital or "a/d") near4 input near4 sample	US-PGPUB; USPAT	OR	ON	2005/10/03 17:39
S8	368	sample near2 (analog adj digital or a/d or adc) near2 input	USPAT	OR	ON	2005/10/03 18:28
S9	2	(375/345.ccls. or 455/232.1 or 455/234.1) and sample near2 (analog adj digital or a/d or adc) near2 input	USPAT	OR	ON	2005/10/03 17:48
S10	11	(375/345.ccls. or 455/232.1 or 455/234.1) and sample near4 (analog adj digital or a/d or adc) near4 input	USPAT	OR	ON	2005/10/03 17:51
S11	284	(375/345.ccls. or 455/232.1 or 455/234.1 or "341"/\$.ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input	USPAT	OR	ON	2006/05/09 10:14
S12	283	(375/345.ccls. or 455/232.1.ccls. or 455/234.1.ccls. or "341"/\$.ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input	USPAT	OR	ON	2005/10/03 17:52
S13	283	(375/345.ccls. or 455/232.1.ccls. or 455/234.1.ccls. or "341"/\$.ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input	USPAT	OR	ON	2005/10/03 17:53
S14	98	(375/345.ccls. or 455/232.1.ccls. or 455/234.1.ccls. or "341"/\$.ccls.) and sample near2 (analog adj digital or a/d or adc) near2 input	USPAT	OR	ON	2005/10/03 17:53
S15	6	("4955077"   "5517518"   "5884152"   "5987071"   "6002925"   "6038435").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/03 18:22
S16	1	("6295445").URFN.	USPAT	OR	ON	2005/10/03 18:23
S17	494	sample near2 (analog adj digital or a/d or adc) near2 input	US-PGPUB; USPAT	OR	ON	2005/10/03 18:29
S18	31	sample near2 (analog adj digital or a/d or adc) near2 input SAME gain	US-PGPUB; USPAT	OR	ON	2005/10/03 18:29
S19	6	(US-6862439-\$ or US-6510188-\$ or US-6498929-\$ or US-6496550-\$ or US-6295445-\$ or US-5828328-\$). did.	USPAT	OR	ON	2005/10/03 18:34
S20	2	S19 and threshold	USPAT	OR	ON	2005/10/03 19:32
S21	4	digital adj channel adj filtering	USPAT	OR	ON	2005/10/03 18:35

S22	14	digital adj channel adj filter	USPAT	OR	ON	2005/10/03 18:35
S23	12	audiot.in.	USPAT	OR	ON	2005/10/03 18:45
S24	17	audiot.in.	US-PGPUB; USPAT	OR	ON	2005/10/03 18:48
S25	281	rousseau.in.	US-PGPUB; USPAT	OR	ON	2005/10/03 18:49
S26	0	rousseau.in. and instruments.as.	US-PGPUB; USPAT	OR	ON	2005/10/03 18:48
S27	0	rousseau.in. and instrument.as.	US-PGPUB; USPAT	OR	ON	2005/10/03 18:48
S28	1	rousseau-vincent.in.	US-PGPUB; USPAT	OR	ON	2005/10/03 18:49
S29	1	S19 and MSB	USPAT	OR	ON	2005/10/03 19:33
S30	5	S19 and most adj significant	USPAT	OR	ON	2005/10/03 19:38
S31	954	375/346.ccls.	USPAT	OR	ON	2005/10/03 19:38
S32	70	375/346.ccls. and (most adj significant or msb)	USPAT	OR	ON	2007/04/11 14:34
S33	1	(msb or most adj significant adj bit) same gain same (second adj threshold)	USPAT	OR	ON	2005/10/04 10:07
S34	2	(msb or most adj significant adj bit) same gain same (second adj threshold)	US-PGPUB; USPAT	OR	ON	2005/10/04 10:08
S35	15	(msb or most adj significant adj bit) same (second adj threshold)	US-PGPUB; USPAT	OR	ON	2005/10/04 10:10
S36	96	375/345.ccls. and (msb or most adj significant adj bit or bit) same threshold	US-PGPUB; USPAT	OR	ON	2005/10/04 10:10
S37	2	("5825319"   "5917865").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/04 11:03
S38	5	("6314278").URPN.	USPAT	OR	ON	2005/10/04 11:04
S39	8830	gain near4 (magnitude or amplitude) and (analog near4 digital) or (a adj d) and channel near2 filter	US-PGPUB; USPAT	OR	ON	2006/05/08 12:17
S40	6746	gain near4 (magnitude or amplitude) and (analog near4 digital) or (a adj d) and digital adj channel near2 filter	US-PGPUB; USPAT	OR	ON	2006/05/08 12:19
S41	4206772	@ad<="20030623"	US-PGPUB; USPAT	OR	ON	2006/05/08 12:18
S42	4206772	@ad<="20030623" S40 and S41	US-PGPUB; USPAT	OR	ON	2006/05/08 12:19

S43	5761	S40 and S41	US-PGPUB; USPAT	OR	ON	2006/05/08 12:19
S44	2303	gain near4 magnitude and (analog near4 digital) or (a adj d) and digital adj channel near2 filter	US-PGPUB; USPAT	OR	ON	2006/05/08 12:19
S45	1996	S44 and S41	US-PGPUB; USPAT	OR	ON	2006/05/08 13:31
S46	279	(adc or analog adj digital) near4 saturation	US-PGPUB; USPAT	OR	ON	2006/05/08 13:32
S47	192	S46 and S41	US-PGPUB; USPAT	OR	ON	2006/05/08 13:40
S48	6	S45 and S47	US-PGPUB; USPAT	OR	ON	2006/05/08 13:40
S49	638	375/345.ccls.	USPAT	OR	ON	2006/05/09 10:14
S50	389	(375/345.ccls. or 455/232.1 or 455/234.1 or "341"/\$.ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input	US-PGPUB; USPAT	OR	ON	2006/05/09 10:14
S51	803	375/345.ccls.	US-PGPUB; USPAT	OR	ON	2006/05/09 10:14
S52	11570	(Analog near2 digital) near4 output same control with (bit or digital or MSB)	US-PGPUB; USPAT	OR	ON	2006/12/05 21:37
S53	4257809	@ad<="20030623"	US-PGPUB; USPAT	OR	ON	2006/12/05 21:38
S54	9810	S52 and S53	US-PGPUB; USPAT	OR	ON	2006/12/05 21:38
S55	952	S54 and (agc or automatic adj gain adj control\$3)	US-PGPUB; USPAT	OR	ON	2006/12/06 12:13
S56	661	(analog near2 digital) with output with control\$3 with (AGC or automatic near4 gain)	US-PGPUB; USPAT	OR	ON	2006/12/06 12:17
S57	4257809	@ad<="20030623"	US-PGPUB; USPAT	OR	ON	2006/12/06 12:14
S58	530	S57 and S56	US-PGPUB; USPAT	OR	ON	2006/12/06 12:14
S59	5	(analog near2 digital) with output with control\$3 with (AGC or automatic near4 gain) with (MSB or LSB or most adj significant or least adj significant)	US-PGPUB; USPAT	OR	ON	2006/12/06 12:18
S60	1	"3931584".pn.	US-PGPUB; USPAT	OR	ON	2006/12/06 12:18
S61	17	("3931584").URPN.	USPAT	OR	ON	2006/12/06 12:20
S62	2	("3525948").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 12:58
S63	814	digital\$2 near4 control\$2 with (bit or word) and (AGC or automatic near4 gain)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 12:59

S64	684	S63 and S57	US-PGPUB; USPAT; USOOR	OR	ON	2006/12/06 14:47
S65	8170	gain same (control\$3 or set or adjust\$2) same digital same (bit or word or msb or lsb)	US-PGPUB; USPAT; USOOR	OR	ON	2006/12/06 14:48
S66	6294	S57 and S65	US-PGPUB; USPAT; USOOR	OR	ON	2006/12/06 14:49
S67	1949	S66 and ((most or least) adj significant adj bit or msb or lsb)	US-PGPUB; USPAT; USOOR	OR	ON	2006/12/06 14:49
S68	2103	(375/345.ccls. or 455/232.1 or 455/234.1)	US-PGPUB; USPAT	OR	ON	2006/12/06 16:27
S69	1738	S57 and S68	US-PGPUB; USPAT	OR	ON	2006/12/06 16:27
S70	2	(375/345.ccls. or 455/232.1 or 455/234.1) and (MSB or most adj significant) and (adc or analog adj digital) with gain with magnitude	US-PGPUB; USPAT	OR	ON	2007/04/11 14:33
S71	82	375/346.ccls. and (most adj significant or msb)	USPAT	OR	ON	2007/04/11 14:34
S72	1	"7103116".pn.	US-PGPUB; USPAT	OR	ON	2008/08/05 15:15
S73	1	"6831957".pn.	US-PGPUB; USPAT	OR	ON	2008/08/05 15:15
S74	20	receiver same front\$1end same lpf same mixer	US-PGPUB; USPAT	OR	ON	2008/08/05 15:15
S75	3	@ad<="10601348"	US-PGPUB; USPAT	OR	ON	2008/08/05 15:16
S76	4323832	@ad<="20030623"	US-PGPUB; USPAT	OR	ON	2008/08/05 15:16
S77	9	S74 and S76	US-PGPUB; USPAT	OR	ON	2008/08/05 15:16
S78	702	receiver same lpf same mixer	US-PGPUB; USPAT	OR	ON	2008/08/05 15:19
S79	337	S78 and S76	US-PGPUB; USPAT	OR	ON	2008/08/05 15:20
S80	470	375/345.ccls. and bit	USPAT	OR	ON	2008/08/05 16:40
S81	96	375/345.ccls. and (MSB or most adj significant)	USPAT	OR	ON	2008/08/05 16:40
S82	90	S81 and (adjustable or variable or multiple or dynamic)	USPAT	OR	ON	2008/08/05 16:40
S83	2	(375/345.ccls. or 455/232.1 or 455/234.1) and (MSB or most adj significant) and (adc or analog adj digital) with gain with magnitude	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S84	7	(375/345.ccls. or 455/232.1 or 455/234.1) and (MSB or most adj significant) and (adc or analog adj digital or "a/d") near saturat\$3	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40

S85	3	(375/345.ccls. or 455/232.1 or 455/234.1) and (MSB or most adj significant) and (adc or analog adj digital or "a/d") near4 input near4 sample	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S86	482	sample near2 (analog adj digital or a/d or adc) near2 input	USPAT	OR	ON	2008/08/05 16:40
S87	4	(375/345.ccls. or 455/232.1 or 455/234.1) and sample near2 (analog adj digital or a/d or adc) near2 input	USPAT	OR	ON	2008/08/05 16:40
S88	18	(375/345.ccls. or 455/232.1 or 455/234.1) and sample near4 (analog adj digital or a/d or adc) near4 input	USPAT	OR	ON	2008/08/05 16:40
S89	403	(375/345.ccls. or 455/232.1 or 455/234.1 or "341"/\$.ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input	USPAT	OR	ON	2008/08/05 16:40
S90	400	(375/345.ccls. or 455/232.1.ccls. or 455/234.1.ccls. or "341"/\$.ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input	USPAT	OR	ON	2008/08/05 16:40
S91	400	(375/345.ccls. or 455/232.1.ccls. or 455/234.1.ccls. or "341"/\$.ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input	USPAT	OR	ON	2008/08/05 16:40
S92	147	(375/345.ccls. or 455/232.1.ccls. or 455/234.1.ccls. or "341"/\$.ccls.) and sample near2 (analog adj digital or a/d or adc) near2 input	USPAT	OR	ON	2008/08/05 16:40
S93	6	("4955077"   "5517518"   "5884152"   "5987071"   "6002925"   "6038435").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 16:40
S94	3	("6295445").URPN.	USPAT	OR	ON	2008/08/05 16:40
S95	750	sample near2 (analog adj digital or a/d or adc) near2 input	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S96	56	sample near2 (analog adj digital or a/d or adc) near2 input SAME gain	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S97	5	(US-6862439-\$ or US-6510188-\$ or US-6498929-\$ or US-6496550-\$ or US-6295445-\$ or US-5828328-\$). did.	USPAT	OR	ON	2008/08/05 16:40
S98	2	S97 and threshold	USPAT	OR	ON	2008/08/05 16:40
S99	8	digital adj channel adj filtering	USPAT	OR	ON	2008/08/05 16:40
S100	29	digital adj channel adj filter	USPAT	OR	ON	2008/08/05 16:40
S101	14	audnot.in.	USPAT	OR	ON	2008/08/05 16:40

S102	22	audinot.in.	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S103	344	rousseau.in.	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S104	2	rousseau.in. and instruments.as.	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S105	2	rousseau.in. and instrument.as.	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S106	1	rousseau-vincent.in.	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S107	1	S97 and MSB	USPAT	OR	ON	2008/08/05 16:40
S108	4	S97 and most adj significant	USPAT	OR	ON	2008/08/05 16:40
S109	1452	375/346.ccls.	USPAT	OR	ON	2008/08/05 16:40
S110	92	375/346.ccls. and (most adj significant or msb)	USPAT	OR	ON	2008/08/05 16:40
S111	1	(msb or most adj significant adj bit) same gain same (second adj threshold)	USPAT	OR	ON	2008/08/05 16:40
S112	2	(msb or most adj significant adj bit) same gain same (second adj threshold)	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S113	27	(msb or most adj significant adj bit) same (second adj threshold)	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S114	140	375/345.ccls. and (msb or most adj significant adj bit or bit) same threshold	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S115	2	("5825319"   "5917865").PN.	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/05 16:40
S116	11	("6314278").URPN.	USPAT	OR	ON	2008/08/05 16:40
S117	11442	gain near4 (magnitude or amplitude) and (analog near4 digital) or (a adj d) and channel near2 filter	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S118	8754	gain near4 (magnitude or amplitude) and (analog near4 digital) or (a adj d) and digital adj channel near2 filter	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S119	4323832	@ad<="20030623"	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S120	4323832	@ad<="20030623"S118 and S119	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S121	6055	S118 and S119	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S122	2866	gain near4 magnitude and (analog near4 digital) or (a adj d) and digital adj channel near2 filter	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40

S123	2078	S122 and S119	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S124	409	(adc or analog adj digital) near4 saturation	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S125	210	S124 and S119	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S126	7	S123 and S125	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S127	826	375/345.ccls.	USPAT	OR	ON	2008/08/05 16:40
S128	557	(375/345.ccls. or 455/232.1 or 455/234.1 or "341"/\$.ccls.) and sample near4 (analog adj digital or a/d or adc) near4 input	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S129	1097	375/345.ccls.	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S130	13223	(Analog near2 digital) near4 output same control with (bit or digital or MSB)	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S131	4323832	@ad<="20030623"	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S132	9961	S130 and S131	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S133	977	S132 and (agc or automatic adj gain adj control\$3)	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S134	800	(analog near2 digital) with output with control\$3 with (AGC or automatic near4 gain)	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S135	4323832	@ad<="20030623"	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S136	550	S135 and S134	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S137	5	(analog near2 digital) with output with control\$3 with (AGC or automatic near4 gain) with (MSB or LSB or most adj significant or least adj significant)	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S138	1	"3931584".pn.	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S139	17	("3931584").URFN.	USPAT	OR	ON	2008/08/05 16:40
S140	2	("3525948").FN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 16:40
S141	1001	digital\$2 near4 control\$2 with (bit or word) and (AGC or automatic near4 gain)	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 16:40
S142	709	S141 and S135	US-PGPUB; USPAT; USOCR	OR	ON	2008/08/05 16:40



S143	9632	gain same (control\$3 or set or adjust\$2) same digital same (bit or word or msb or lsb)	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/05 16:40
S144	6477	S135 and S143	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/05 16:40
S145	1998	S144 and ((most or least) adj significant adj bit or msb or lsb)	US-PGPUB; USPAT; USOOR	OR	ON	2008/08/05 16:40
S146	2701	(375/345.cds. or 455/232.1 or 455/234.1)	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S147	1888	S135 and S146	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S148	2	(375/345.cds. or 455/232.1 or 455/234.1) and (MSB or most adj significant) and (adc or analog adj digital) with gain with magnitude	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S149	92	375/346.cds. and (most adj significant or msb)	USPAT	OR	ON	2008/08/05 16:40
S150	1	"7103116".pn.	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S151	1	"6831957".pn.	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S152	20	receiver same front\$1end same lpf same mixer	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S153	3	@ad<="10601348"	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S154	4323832	@ad<="20030623"	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S155	9	S152 and S154	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S156	702	receiver same lpf same mixer	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40
S157	337	S156 and S154	US-PGPUB; USPAT	OR	ON	2008/08/05 16:40

3/9/2009 2:13:01 PM

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